CPSC120_Program01

May 24, 2024

1 CPSC120: Program 1 - Jupyter Notebook

In this programming assignment you will complete the following tasks with python.

1.1 Task 0:

Create a jupyter notebook and name it as **'program01.ipynb'**

```
[ ]:
```

1.2 Task 1:

Create a markdown cell below. Type all text shown here and also make the first line bold and three lines as bullets.

What is the Python Programming Language?

- Python is a high-level, object-oriented programming language with built-in data structures and dynamic semanticg
- Python supports different modules and packages, which allows program modularity and code reus
- Python was created by Guido van Ross.

```
[ ]:
```

1.3 Task 2:

Create multiple code cells, and type the following expressions and execute those expressions for each cell:

- 10 / 3 + 7
- 10 // 3 + 7
- 10 / (3 + 7)
- 10 / 3 - 3
- 10 // (3 - 3)

```
[6]: 10 / 3 + 7
```

```
[6]: 10.333333333333334
```

Expected Output:

10.333333333333334

`[7]:` `10 // 3 + 7`

`[7]:` 10

Expected Output:

10

`[8]:` `10 / (3 + 7)`

`[8]:` 1.0

Expected Output:

1.0

`[9]:` `10 / 3 - 3`

`[9]:` 0.3333333333333335

Expected Output:

0.3333333333333335

`[10]:` `10 // (3 - 3)`

```
---------------------------------------------------------------------------
ZeroDivisionError                          Traceback (most recent call last)
Cell In[10], line 1
----> 1 10 // (3 - 3)

ZeroDivisionError: integer division or modulo by zero
```

Expected Output:

ZeroDivisionError: integer division or modulo by zero